Remarks

Claims 1, 8 and 15 have been amended. Claims 2 and 9 have been cancelled without prejudice and claims 3-7 and 10-14 remain unchanged. No new matter has been added by way of these amendments. Applicants seek to place the claims in more suitable condition.

Rejections under 35 USC 101

Applicant has amended the independent claims 1, 8 and 15 to more clearly define the tangible result obtained. Specifically, the claims have been amended to recite "*displaying said correlation on a display device so that changes for the wellbore interval can be evaluated*". That is, the tangible result is manifested by the determined correlations being displayed via the display device. The display device allows a user in the real-world to evaluate changes for the wellbore interval.

The advantage of such a system has immediate and practical benefits to a user, for example a petrophysicist or reservoir engineer, who is able to evaluate changes from the display. An example of such a practical effect is described in the first sentence of paragraph [0039] of the present application.

Rejections under 35 USC 102

Applicant respectfully disagrees with the relevance of Fanini (US 6,529,833).

Applicant submits that Fanini does not teach the claimed features of "*obtaining first log data ...during a first pass; obtaining second log data at a time later than the first log data ... during a second log pass*". The examiner cites col.6 lines 19-45 of Fanini, but this passage

makes no mention of time or indeed different passes for obtaining logging data. Instead , the passage of Fanini relied on by the examiner teaches resistivity tools capable of operating at different frequencies for the averaging of resistivities at different depths.

Applicant further submits that Fanini does not teach the claimed feature of "*calculating a plurality of delta values between the first and second log data*". Examiner relies on col. 8 lines 33-58 of Fanini, but this passage merely describes the difference in various parameter values in the caprock as compared to the reservoir. This emphasizes that Fanini is concerned with logging at different depths of penetration; rather then comparing data obtained from subsequent logging passes (i.e. time not depth).

The Applicants believe the claims are in condition for allowance, early passage to issuance is requested. The Commissioner is authorized to charge any fee associated with the submission of this response including the fee for the Petition to Extend the time for the response under CFR 1.136(a) to Deposit Account No. 50-2183 (Ref. No. 21.1068).

The Examiner is invited to contact the undersigned patent attorney at 281-285-7114 with any questions, comments or suggestions relating to the referenced patent application.

Respectfully submitted,

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